SEQUENCE LISTING

SEQ ID NO: 1
Human unknown cDNA PHG-1 (GenBank # AL832747)
2110 bp

1 gggatcgttc gatttaagcc atcatcagct taatttaagt ttgtagtttt tgctgaagga
61 ttatatgtat taatacttac ggttttaaat gtgttgcttt ggatacacac atagtttctt
121 ttttaataga atatactgtc ttgtctcact ttggactggg acagtggatg cccatctaaa
181 agttaagtgt catttctttt agatgtttac cttcagccat agcttgattg ctcagagaaa
241 tatgcagaag gcaggatcaa agacacacag gagtcctttc ttttgaaatg ccacgtgcca
301 ttgtctttcc tcccttcttt gcttcttttt cttaccctct ctttcaattg cagatgccaa
361 aaaagatgcc aacagacact acattaccct aatggctgct acccagaacc tttttatagg
421 ttgttcttaa ttttttgtt gttgttgttc aagcttttcc tttcttttt ttcttggtgt
481 ttgggccacg attttaaaat gacttttatt atgggtatgt gttgccaaag ctggcttttt
541 gtcaaataaa atgaatacga acttaaaaaa taaaagctgg tatcttaaaa tgtaagagag
601 taagactgtg aagcctaaaa tgactggctg agaatgaacc agaaatgcca tttgccaaac
661 agttgtaact agaaatttga ttctcacggt ccattctttt ctttgtcctt aagatgacat
721 tgttagtgtt cacgtcccat gttcagtgtc caaaccggca atgtaaaaag tatcctgtgt
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961 ctgattaggt tgaacttatg gaagatttgt ggacttaact caaaagtaac ctctcagtgt
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1081 gtgcaatttt tcaacaaatg caaaaaaaat acagcacatg tattgacaag cttctgtcaa
1141 gcagcttgag ttgaaatttg atttaagaaa ataaatcatg attgttcaaa gctgctggga
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1261 taaacttcca tataaatcac tcttttggaa caacaaaggg ggagggagaa aaatcacggc
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1801 tatactgatt ataagaccca aaggtaattt catagcaaaa tacataaaat cagtcggagc
1861 ttttatacaa acatggaaac caactttgta gaacttttgc catttgatct aggattggaa
1921 tatgagcttt tatacaattc atattcttat ttggcaaatg cacagtttag tattacctct
1981 ctgatggcct ttactagaaa ggcagtttta gaagctattg tgatccacta aggaaatgtt
2041 ttaacagcta gagaccactg cttgcctgaa agggcgttct taaatttggt gcagcaaaaa
2101 aaagaaaaaa

SEQ ID NO: 2
Human prostaglandin D2 Synthase cDNA (GenBank# NM_000954)
775 bp

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  61 ggcgacctgc aggcagcacc ggaggcccag gtctccgtgc agcccaactt ccagcaggac
 121 aagttcctgg ggcgctggtt cagcgcgggc ctcgcctcca actcgagctg gctccgggag
 181 aagaaggcgg cgttgtccat gtgcaagtct gtggtggccc ctgccacgga tggtggcctc
 241 aacctgacct ccaccttcct caggaaaaac cagtgtgaga cccgaaccat gctgctgcag
 301 cccgcggggt ccctcggctc ctacagctac cggagtcccc actggggcag cacctactcc
 361 gtgtcagtgg tggagaccga ctacgaccag tacgcgctgc tgtacagcca gggcagcaag
 421 ggccctggcg aggacttccg catggccacc ctctacagcc gaacccagac ccccagggct
 481 gagttaaagg agaaattcac cgccttctgc aaggcccagg gcttcacaga ggataccatt
 541 gtcttcctgc cccaaaccga taagtgcatg acggaacaat aggactcccc agggctgaag
 601 ctgggatccc ggccagccag gtgaccccca cgctctggat gtctctgctc tgttccttcc
 661 ccgagcccct gccccggctc cccgccaaag caccctgcc cactcgggct tcatcctgca
 721 caataaactc cggaagcaag tcagttaaaa aaaaaaaaaa aaaaaaaaaa aaaaa
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SEQ ID NO: 3
Human myelin basic protein cDNA (GenBank# M13577)
2139 bp

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   1 gaaaacagtg cagccacctc cgagagcctg gatgtgatgg cgtcacagaa gagaccctcc
  61 cagaggcacg gatccaagta cctggccaca gcaagtacca tggaccatgc caggcatggc
 121 ttcctcccaa ggcacagaga cacgggcatc cttgactcca tcgggcgctt ctttggcggt
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 241 cactatggct ccctgcccca gaagtcacac ggccggaccc aagatgaaaa ccccgtagtc
 301 cacttcttca agaacattgt gacgcctcgc acaccacccc cgtcgcaggg aaaggggaga
 361 ggactgtccc tgagcagatt tagctggggg gccgaaggcc agagaccagg atttggctac
 421 ggaggcagag cgtccgacta taaatcggct cacaagggat tcaagggagt cgatgcccag
 481 ggcacgcttt ccaaaatttt taagctggga ggaagagata gtcgctctgg atcacccatg
 541 gctagacgct gaaaacccac ctggttccgg aatcctgtcc tcagcttctt aatataactg
 601 ccttaaaact ttaatcccac ttgcccctgt tacctaatta gagcagatga cccctcccct
 661 aatgcctgcg gagttgtgca cgtagtaggg tcaggccacg gcagcctacc ggcaatttcc
 721 ggccaacagt taaatgagaa catgaaaaca gaaaacggtt aaaactgtcc ctttctgtgt
 781 gaagatcacg ttccttcccc cgcaatgtgc ccccagacgc acgtgggtct tcaggggccc
 841 aggtgcacag acgtccctcc acgttcaccc ctccaccctt ggactttctt ttcgccgtgg
 901 ctcggcaccc ttgcgctttt gctggtcact gccatggagg cacacagctg cagagacaga
 961 gaggacgtgg gcggcagaga ggactgttga catccaagct tcctttgttt ttttttcctg
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1081 gtggcttact acatgtggga gctttttggt atgtgacatg cgggctgggc agctgttaga
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1201 cccaattagc tgaattcgcg tgtggcagag ggaggaaaag gaggcaaacg tgggctgggc
1261 aatggcctca cataggaaac agggtcttcc tggagatttg gtgatggaga tgtcaagcag
1321 gtggcctctg gacgtcaccg ttgccctgca tggtggcccc agagcagcct ctatgaacaa
1381 cctcgtttcc aaaccacagc ccacagccgg agagtccagg aagacttgcg cactcagagc
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1441 agaagggtag gagtcctcta gacagcctcg cagccgcgcc agtcgcccat agacactggc
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1561 gataaccggc tcattcactt cctcccagaa gacgcgtggt agcgagtagg cacaggcgtg
1621 cacctgctcc cgaattactc accgagacac acgggctgag cagacggccc ctgtgatgga
1681 gacaaagagc tcttctgacc atatccttct taacacccgc tggcatctcc tttcgcgcct
1741 ccctccctaa cctactgacc caccttttga ttttagcgca cctgtgattg ataggccttc
1801 caaagagtcc cacgctggca tcaccctccc cgaggacgga gatgaggagt agtcagcgtg
1861 atgccaaaac gcgtcttctt aatccaattc taattctgaa tgtttcgtgt gggcttaata
1921 ccatgtctat taatatatag cctcgatgat gagagagtta caaagaacaa aactccagac
1981 acaaacctcc aaatttttca gcagaagcac tctgcgtcgc tgagctgagg tcggctctgc
2041 gatccatacg tggccgcacc cacacagcac gtgctgtgac gatggctgaa cggaaagtgt
2101 acactgttcc tgaatattga aataaaacaa taaactttt

SEQ ID NO: 4
Human unknown cDNA PHG-4 (GenBank# AP006241)
166 bp

1 ttcatataca aaaagataaa acttgaaata gttctagatt tttcctccta

51 ttgttggggt gtaactgctt cttcacacag ggggaaaaaa ctacattcac

101 atcggtttat ttgaggaccc agtgcagagt tcaagcagca aaaccccaac

151 ttagcagatc taattt

SEQ ID NO: 5
Human unknown cDNA PHG-5 (GenBank# BC011973)
1618 bp

1 ggcttggtca ccgcattaag gcattcccgc tctccgcgga actgctctgc cgtctcggcg
61 gtgaaagtgt gagagggtcc gtagttgggt caactttgac tcctctcgcc tgcccggatc
121 cttaagggcc tcctcgtcct cccggtctcc ggtcgctgcc gggtctgtgc gccggtccgc
181 gcccgccctc gctctgccat gggcgcttcc agctcctccg cgctggcccg cctcggcctc
241 ccagcccggc cctggcccag gtggctcggg gtcgccgcgc taggactggc cgccgtggcc
301 ctggggactg tcgcctggcg ccgcgcatgg cccaggcggc gccggcggct gcagcaggtg
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421 gaggctgagt gcacggccat ggggctgcgc agcggcaacc tgcgggacag gttttggctg
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601 ttgcctagca agcagccttc ctcaaacaaa ctccacaact gcaggatatt tggccttgac
661 attaaaggca gagactgtgg caatgaggca gctaagtggt tcaccaactt cttgaaaact
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841 atgacagatg cctccctggt agatttgaat accaggatgg agaagaaaat gaaaatggag
901 aatttcaggc caaatattgt ggtgaccggc tgtgatgctt ttgaggagga tacctgggat
961 gaactcctaa ttggtagtgt agaagtgaaa aaggtaatgg catgccccag gtgtattttg

1021 acaacggtgg acccagacac tggagtcata gacaggaaac agccactgga caccctgaag
1081 agctaccgcc tgtgtgatcc ttctgagagg gaattgtaca agttgtctcc acttttggg
1141 atctattatt cagtggaaaa aattggaagc ctgagagttg gtgaccctgt gtatcggatg
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1501 tattacactt ttacttcctg actttaatat tgatgaataa agcaagttta atgaatcaac
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SEQ ID NO: 6
Human peanut-like 2/septin 4 cDNA (GenBank# NM_080416)
1669 bp

1 cggcggtgct gcgaggtcgg cgcgcagctc cgccgcgggt cgctcgggcg ctgtccaggc
61 ggagccggcc ccgcccgggc tgcagccatg atcaagcgtt tcctggagga caccacggat
121 gatggagaac tgagcaagtt cgtgaaggat ttctcaggaa atgcgagctg ccacccacca
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481 ggagagtctg gcctgggcaa atccacactt gtcaatagcc tcttcctcac tgatctgtac
541 cgggaccgga aacttcttgg tgctgaagag aggatcatgc aaactgtgga gatcactaag
601 catgcagtgg acatagaaga gaagggtgtg aggctgcggc tcaccattgt ggacacacca
661 ggttttgggg atgcagtcaa caacacagag tgctggaagc ctgtggcaga atacattgat
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1321 gaaagtggta ccgacttccc catccctgct gtcccaccag ggacagatcc agaaactgag
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1561 actgccactt cgccttacat ccctgctgac tgcccagaga ctcagaggaa ataaagttta
1621 ataaatctgt aggtggctaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa

SEQ ID NO: 7
Human coactosin-like 1 cDNA (GenBank# NM_021149)
1850 bp

1 cgcgctcgca gctcgcaggc gccgcgtagc cgtcgccacc gccgccagcc cgtgcgccct
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1321 ttccttgtga cacagagaag ggcaaaggtc tgagcccaga gttgacggag ggagtatttc
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1561 gcaaagccct gggctcacag caccccaaaa gcctgtggct tcagtcctgc gtctgcacca
1621 cacattcaaa aggatcgttt tgttttgttt ttaaagaaag gtgagattgg cttggttctt
1681 catgagcaca tttgatatag ctcttttct gtttttcctt gctcatttcg ttttggggaa
1741 gaaatctgta ctgtattggg attgtaaaga acatctctgc actcagacag tttacagaaa
1801 taaatgtttt ttttgttttt cagaaaaaaa aaaaaaaaaa aaaaaaaaaa

SEQ ID NO: 8
Human clusterin mRNA (GenBank# BC019588)
1646 bp

1 ctgaccgagg cgtgcaaaga ctccagaatt ggaggcatga tgaagactct gctgctgttt
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121 aatgagctcc aggaaatgtc caatcaggga agtaagtacg tcaataagga aattcaaaat
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241 acactgctca gcaacctaga agaagccaag aagaagaaag aggatgccct aaatgagacc
301 agggaatcag agacaaagct gaaggagctc ccaggagtgt gcaatgagac catgatggcc

361 ctctgggaag agtgtaagcc ctgcctgaaa cagacctgca tgaagttcta cgcacgcgtc
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1441 gatgagctgc agcccccccag agagagctct gcacgtcacc aagtaaccag gccccagcct
1501 ccaggccccc aactccgccc agcctctccc cgctctggat cctgcactct aacactcgac
1561 tctgctgctc atgggaagaa cagaattgct cctgcatgca actaattcaa taaaactgtc
1621 ttgtgagctg aaaaaaaaaa aaaaaa

SEQ ID NO: 9
Human casein kinase 1, epsilon cDNA (GenBank# NM_152221)
1559 bp

1 gggaggcggc ggcggcggcg gcggcggcgg cgagagccca gagccagagc ccggccgggg
61 ccgagcggag cgcggcggcg gcggcggcgg cggcggctgg gccgggagag gctggcgcgc
121 cgggcggctc cgcgaatcct ccggcatccg ccccggcggg ccgcccccgc ccgcggcagc
181 cccccgagca gtggcccggc atcggcgcct tcccggcggg caagagtgag ccatggagct
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541 gacggtgctg ctcttggccg accagatgat cagccgcatc gagtatatcc actccaagaa
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901 gaagtatgaa cggatcagcg agaagaagat gtcaacgccc atcgaggtcc tctgcaaagg
961 ctatccctcc gaattctcaa catacctcaa cttctgccgc tccctgcggt ttgacgacaa
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1201 cgcgacccga gccctgcccc ctggcccacc cacgggggcc actgccaacc ggctccgcag
1261 tgccgccgag cccgtggctt ccacgccagc ctcccgcatc cagccggctg gcaatacttc
1321 tcccagagcg atctcgcggg tcgaccggga gaggaaggtg agtatgaggc tgcacagggg
1381 tgcgcccgcc aacgtctcct cctcagacct cactgggcgg caagaggtct cccggatccc
1441 agcctcacag acaagtgtgc catttgacca tctcgggaag tgaggagagc ccccattgga
1501 ccagtgtttg cttagtgtct tcactgtatt ttctttaaaa aaaaaaaaaa aaaaaaaaa

SEQ ID NO: 10
Human ferritin, heavy polypeptide 1 cDNA (GenBank# BC015946)
910 bp

1 cctgcttcaa cagtgcttgg acggaacccg gcgctcgttc cccaccccgg ccggccgccc
61 atagccagcc ctccgtcacc tcttcaccgc accctcggac tgccccaagg cccccgccgc
121 cgctccagcg ccgcgcagcc accgccgccg ccgccgcctc tccttagtcg ccgccatgac
181 gaccgcgtcc acctcgcagg tgcgccagaa ctaccaccag gactcagagg ccgccatcaa
241 ccgccagatc aacctggagc tctacgcctc ctacgtttac ctgtccatgt cttactactt
301 tgaccgcgat gatgtggctt tgaagaactt tgccaaatac tttcttcacc aatctcatga
361 ggagagggaa catgctgaga aactgatgaa gctgcagaac caacgaggtg gccgaatctt
421 ccttcaggat atcaagaaac cagactgtga tgactgggag agcgggctga atgcaatgga
481 gtgtgcatta catttggaaa aaatgtgaat cagtcactac tggaactgca caaactggcc
541 actgacaaaa atgaccccca tttgtgtgac ttcattgaga cacattacct gaatgagcag
601 gtgaaagcca tcaaagaatt gggtgaccac gtgaccaact tgcgcaagat gggagcgccc
661 gaatctggct tggcggaata tctctttgac aagcacaccc tgggagacag tgataatgaa
721 agctaagcct cgggctaatt tccccatagc cgtggggtga cttcctggt caccaaggca
781 gtgcatgcat gttggggttt cctttacctt ttctataagt tgtaccaaaa catccactta
841 agttctttga tttgtaccat tccttcaaat aaagaaattt ggtacccaaa aaaaaaaaaa
901 aaaaaaaaaa

SEQ ID NO: 11
Human metargidin cDNA (GenBank# NM_003815)
2740 bp

1 cgctgccatg cggctggcgc tgctctgggc cctggggctc ctgggcgcgg gcagccctct
61 gccttcctgg ccgctcccaa atataggtgg cactgaggag cagcaggcag agtcagagaa
121 ggccccgagg gagcccttgg agccccaggt ccttcaggac gatctcccaa ttagcctcaa
181 aaaggtgctt cagaccagtc tgcctgagcc cctgaggatc aagttggagc tggacggtga
241 cagtcatatc ctggagctgc tacagaatag ggagttggtc ccaggccgcc caaccctggt
301 gtggtaccag cccgatggca ctcgggtggt cagtgaggga cacactttgg agaactgctg
361 ctaccaggga agagtgcggg gatatgcagg ctcctgggtg tccatctgca cctgctctgg
421 gctcagaggc ttggtggtcc tgaccccaga gagaagctat accctggagc aggggcctgg
481 ggaccttcag ggtcctccca ttatttcgcg aatccaagat ctccacctgc caggccacac
541 ctgtgccctg agctggcggg aatctgtaca cactcagacg ccaccagagc acccctgggg
601 acagcgccac attcgccgga ggcgggatgt ggtaacagag accaagactg tggagttggt
661 gattgtggct gatcactcgg aggcccagaa ataccgggac ttccagcacc tgctaaaccg
721 cacactggaa gtggccctct tgctggacac attcttccgg cccctgaatg tacgagtggc

781 actagtgggc ctggaggcct ggacccagcg tgacctggtg gagatcagcc caaacccagc
841 tgtcaccctc gaaaacttcc tccactggcg cagggcacat ttgctgcctc gattgcccca
901 tgacagtgcc cagctggtga ctggtacttc attctctggg cctacggtgg gcatggccat
961 tcagaactcc atctgttctc ctgacttctc aggaggtgtg aacatggacc actccaccag
1021 catcctggga gtcgcctcct ccatagccca tgagttgggc cacagcctgg gcctggacca
1081 tgatttgcct gggaatagct gcccctgtcc aggtccagcc ccagccaaga cctgcatcat
1141 ggaggcctcc acagacttcc taccaggcct gaacttcagc aactgcagcc gacgggccct
1201 ggagaaagcc ctcctggatg gaatgggcag ctgcctcttc gaacggctgc ctagcctacc
1261 ccctatggct gctttctgcg gaaatatgtt tgtggagccg ggcgagcagt gtgactgtgg
1321 cttcctggat gactgcgtcg atccctgctg tgattctttg acctgccagc tgaggccagg
1381 tgcacagtgt gcatctgacg gaccctgttg tcaaaattgc cagctgcgcc cgtctggctg
1441 gcagtgtcgt cctaccagag gggattgtga cttgcctgaa ttctgcccag gagacagctc
1501 ccagtgtccc cctgatgtca gcctagggga tggcgagccc tgcgctggcg ggcaagctgt
1561 gtgcatgcac gggcgttgtg cctcctatgc ccagcagtgc cagtcacttt ggggacctgg
1621 agcccagccc gctgcgccac tttgcctcca gacagctaat actcggggaa atgcttttgg
1681 gagctgtggg cgcaacccca gtggcagtta tgtgtcctgc acccctagag atgccatttg
1741 tgggcagctc cagtgccaga caggtaggac ccagcctctg ctgggctcca tccgggatct
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1861 cctgggcagt gatgtggccc agcccctcct gactctgcct ggcacagcct gtggccctgg
1921 cctggtgtgt atagaccatc gatgccagcg tgtggatctc ctgggggcac aggaatgtcg
1981 aagcaaatgc catggacatg gggtctgtga cagcaacagg cactgctact gtgaggaggg
2041 ctgggcaccc cctgactgca ccactcagct caaagcaacc agctccctga ccacagggct
2101 gctcctcagc ctcctggtct tattggtcct ggtgatgctt ggtgccggct actggtaccg
2161 tgcccgcctg caccagcgac tctgccagct caagggaccc acctgccagt acagggcagc
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2281 taagtctcag gggccagcca agcccccacc cccaaggaag ccactgcctg ccgaccccca
2341 gggccggtgc ccatcgggtg acctgcccgg cccaggggct ggaatcccgc ccctagtggt
2401 accctccaga ccagcgccac cgcctccgac agtgtcctcg ctctacctct gacctctccg
2461 gaggttccgc tgcctccaag ccggacttag ggcttcaaga ggcgggcgtg ccctctggag
2521 tcccctacca tgactgaagg cgccagagac tggcggtgtc ttaagactcc gggcaccgcc
2581 acgcgctgtc aagcaacact ctgcggacct gccggcgtag ttgcagcggg ggcttgggga
2641 ggggctgggg gttggacggg attgaggaag gtccgcacag cctgtctctg ctcagttgca
2701 ataaacgtga catcttggga gcgttaaaaa aaaaaaaaaa

SEQ ID NO: 12
Human unknown cDNA PHG-13 (GenBank# AK026351)
1476 bp

1 gtttaatagc ttgaggaagg gagactttaa aaggacgtgt gtgagtgaaa taggatatag
61 ccattaccac ggtgccagga cctgacagcg ttccaattct ttttgcagca tggggaatca
121 aaggtggcat gccaagttca actcagggct gaggtatcca cattgtccac atcaggcaag
181 ccctgcactg acggttgagc ctcatggaga ggagcatgtg ttggaaagag atccctttgt
241 taactgtttt gtggtgttct cttcaatgaa ttagagctca tgccccttt ctggctttgc
301 tgttgatttt ggatggtaga gaatattcct gagagccttc cttttggccc ccagcttatg
361 ccacccactc tcttctcttg gttgaattct ctgaaggaaa ggttcatgtg ctattgtcct
421 gttagtcaat agtcttcata tataattgtg ttacatatat tgctgtagac tctcagaaat

481 cagggtagag cttttccttt gagcagttta atgagtgaat tcagcagcaa agtcgcaaga
541 aatggttctc cagccaggag aggttatgtt tatcctctga ttgcccgttt tctctgcaca
601 cagtgatatc gtattcagtg agaggtgctg ttggcaccca gcagcaccct gggcacacag
661 catttcatgt catgtcacag tgtacaagct accctctaat tcagaaagaa gagcattttg
721 cacagagaaa aataaaaaga tccatgaatg tcatctttta tcttttattt tcagttggct
781 gatgttggaa tttttgttct tgtcatgaac ttgtaaacca atcttgccaa gatacaagtt
841 gttttggttt ttcactacaa tgacctcttg ttcctcctgt cttgactgct gacgttcctc
901 aatgattcta ttgtctattt tatgggaagc agccttccca taggtttcct tttacacact
961 gcagggctat ctttatactt taaaaaaaaa aaaaaaaaaa aaaaggacaa gaactgtcac
1021 taacctcatg gaggggtttg cgtaaaacca tttagcccac cttgagcaaa gggtagattc
1081 cgtgttgttt ttttaagctc actgtaataa aatagatcta attcagcatt attgtgctac
1141 ctcaaaggta aaaaatgttt taaggtcttc ttttggtcct gagttctata tacagtgttt
1201 gaaatgtctt tcatttggaa ttatttttta aattcttgga gtgaatttta ttttaatctg
1261 ttttaatctt gtattttaat ctcagaagaa taagtgattg aaacgtgatc aattcttgct
1321 ctgtggtgtt aaacatataa tgaacagtca ttaagaatta agtcactgtt tgccataaac
1381 aaggttgatg ttctttttgt tgttgttaag gaaaccctag ggctcggctt tactcttgat
1441 taataaaggc tgacaaatca aaaaaaaaaa aaaaaa

SEQ ID NO: 13
Human retinaldehyde binding protein 1 cDNA (GenBank# NM_000326)
1679 bp

1 ggcacgaggt agagctccag gacattcagg taccaggtag ccccaaggag gagctgccga
61 cctggcaggg aacaaccaag actggggtta aatctcacag cctgcaagtg gaagagaaga
121 acttgaaccc aggtccaact tttgcgccac agcaggctgc ctcttggtcc tgacaggaag
181 tcacaacttg gccctgactt cctatcctag ggaaggggcc ggctggagag gccaggacag
241 agaaagcaga tcccttcttt ttccaaggac tctgtgtctt ccataggcaa catgtcagaa
301 ggggtgggca cgttccgcat ggtacctgaa gaggaacagg agctccgtgc ccaactggag
361 cagctcacaa ccaaggacca tggacctgtc tttggcccgt gcagccagct gccccgccac
421 accttgcaga aggccaagga tgagctgaac gagagagagg agacccggga ggaggcagtg
481 cgagagctgc aggagatggt gcaggcgcag gcggcctcgg gggaggagct ggcggtggcc
541 gtggcggaga gggtgcaaga gaaggacagc ggcttcttcc tgcgcttcat ccgcgcacgg
601 aagttcaacg tgggccgtgc ctatgagctg ctcagaggct atgtgaattt ccggctgcag
661 taccctgagc tctttgacag cctgtcccca gaggctgtcc gctgcaccat tgaagctggc
721 taccctggtg tcctctctag tcgggacaag tatggccgag tggtcatgct cttcaacatt
781 gagaactggc aaagtcaaga aatcaccttt gatgagatct tgcaggcata ttgcttcatc
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901 ttcaagggct ttaccatgca gcaggctgct agtctccgga cttcagatct caggaagatg
961 gtggacatgc tccaggattc cttcccagcc cggttcaaag ccatccactt catccaccag
1021 ccatggtact tcaccacgac ctacaatgtg gtcaagccct tcttgaagag caagctgctt
1081 gagagggtct ttgtccacgg ggatgacctt tctggtttct accaggagat cgatgagaac
1141 atcctgccct ctgacttcgg gggcacgctg cccaagtatg atggcaaggc cgttgctgag
1201 cagctctttg gcccccaggc ccaagctgag aacacagcct tctgaaaaca tctcctgcca
1261 gctgaactgt agttagaatc tctgggcctc tcctcaactg tcctggaccc aaggctagga
1321 aagggctgct tgagatgact gtggtccccc cttagactcc ctaagcccga gtgagctcag
1381 gtgtcaccct gttctcaagt tgggggatgg ggaataaagg agggggaatt cccttgaaca

1441 agaagaactg gggatagtta tatttccacc tgcccttgaa gctttaagac agtgattttt
1501 gtgtaaggtt gtatttcaaa gactcgaatt cattttctca atcatttcct ttgtaacaga
1561 gttttacgac ttagagtctg tgaaaacagg caaggagccc gggttaaaat atccccctat
1621 tcgcccccaa aatgcaataa aagaagataa aagagagagg aaaaaaaaaa aaaaaaaaa

SEQ ID NO: 14
Human actin, gamma 1 cDNA (GenBank# BC009848)
1962 bp

1 agctctcgca ctctgttctt ccgccgctcc gccgtcgcgt ttctctgccg gtcgcaatgg
61 aagaagagat cgccgcgctg gtcattgaca atggctccgg catgtgcaaa gctggttttg
121 ctggggacga cgctccccga gccgtgtttc cttccatcgt cgggcgcccc agacaccagg
181 gcgtcatggt gggcatgggc cagaaggact cctacgtggg cgacgaggcc cagagcaagc
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301 tggagaagat ctggcaccac accttctaca acgagctgcg cgtggccccg gaggagcacc
361 cagtgctgct gaccgaggcc cccctgaacc ccaaggccaa cagagagaag atgactcaga
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541 cggtgcccat ctacgagggc tacgccctcc cccacgccat cctgcgtctg gacctggctg
601 gccgggacct gaccgactac ctcatgaaga tcctcactga gcgaggctac agcttcacca
661 ccacggccga gcgggaaatc gtgcgcgaca tcaaggagaa gctgtgctac gtcgccctgg
721 acttcgagca ggagatggcc accgccgcat cctcctcttc tctggagaag agctacgagc
781 tgcccgatgg ccaggtcatc accattggca atgagcggtt ccggtgtccg gaggcgctgt
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1021 ccagcaccat gaagatcaag atcatcgcac ccccagagcg caagtactcg gtgtggatcg
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1801 gaagagatga caacaaattt tggttttcta ctgttatgtg agaacattag gccccagcaa
1861 cacgtcattg tgtaaggaaa aataaaagtg ctgccgtaac caaaaaaaaa aaaaaaaaaa
1921 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa

SEQ ID NO: 15
Human matrix metalloproteinase, membrane associated, cDNA (GenBank# X83535)
2365 bp

1 gaattcaagt tcagtgccta ccgaagacaa aggcgccccg agggagtggc ggtgcgaccc
61 cagggcgtgg gcccggccgc ggagcccaca ctgcccggct gacccggtgg tctcggacca
121 tgtctcccgc cccaagaccc tcccgttgtc tcctgctccc cctgctcacg ctcggcaccg
181 cgctcgcctc cctcggctcg gcccaaagca gcagcttcag ccccgaagcc tggctacagc
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301 tctcagcggc catcgctgcc atgcagaagt tttacggctt gcaagtaaca ggcaaagctg
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421 ctgagatcaa ggccaatgtt cgaaggaagc gctacgccat ccagggtctc aaatggcaac
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901 accagtggat ggacacggag aattttgtgc tgcccgatga tgaccgccgg ggcatccagc
961 aactttatgg gggtgagtca gggttcccca ccaagatgcc ccctcaaccc aggactacct
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2101 gacctcgctg gtaaaggtca aatggggtca tctgctcctt ttccatcccc tgacatacct
2161 taacctctga actctgacct caggaggctc tgggcactcc agccctgaaa gccccaagtg
2221 tacccagttg gcagcctccc gtcactctga ctaaaaagaa tcttcagagt gcatatttgg
2281 aggtggaaag attgttcagt taccctaaag actttgaaag aaagaaagaa agaaagaaaa
2341 aaaaaaaaaa aaaaaaaaaa aaaaa

SEQ ID NO: 16
Human SWI/SNF related/OSA-1 nuclear cDNA. (GenBank# NM_006015)
8595 bp

1 aaagcggaga gtcacagcgg ggccaggccc tggggagcgg agcctccacc gcccccctca
61 ttcccaggca agggcttggg gggaatgagc cgggagagcc gggtcccgag cctacagagc
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721 cacggagccg cccggcggcg gcggtggcgg cagcagcgat ggggtggggg cgcctcctca
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901 aagccctggc ctggcagcgc tgcagagcgg cggcggcggg ggcctggagc cctacgcggg
961 gccccagcag aactctcacg accacggctt ccccaaccac cagtacaact cctactaccc
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1261 actgctcacg tcgcccagct cggcccgggg ctaccagggc taccccgggg gcgactacag
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1381 gggggctgcg gcggcggcag ctgcggcggc ggccgcctcg ggaggggccc aacaaaggag
1441 ccaccacgcg cccatgagcc ccgggagcag cggcggcggg gggcagccgc tcgcccggac
1501 ccctcagcca tccagtccaa tggatcagat gggcaagatg agacctcagc catatggcgg
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8461 acaatgtagc taaaacttga tgtaaattcc tccttttttt ccttttttgg cttaatgaat
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8581 attaaatctt ggtaa

SEQ ID NO: 17
Human unknown cDNA AMDP-3 (GenBank# AK024103)
3488 bp

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3421 acttaaaacc gtaatctagt ttgtaaaaga gatggtgacg catgtaaata aagcatcagt
3481 gacactct

SEQ ID NO: 18
Human MT1-MMP exon 1s
20 bp

5'GCCTACCGAAGACAAAGGCG3'

SEQ ID NO:19
Human MT1-MMP exon 1a
20 bp

5'TAGAGGCTGTCCCCTAGGAG3'

SEQ ID NO:20
Human MT1-MMP exon 2s
20 bp

5'AGAGGCACCCTATGGGCCAG3'

SEQ ID NO:21
Human MT1-MMP exon 2a
20bp

5'CATCTCTGGCGCTGGCATTG3'

SEQ ID NO:22
Human MT1-MMP exon 3s
20 bp

5'GCACTGATCCCAATCCTCGC3'

SEQ ID NO:23
Human MT1-MMP exon 3a
20 bp

5'CCCTGCATAAGCACAATGGG3'

SEQ ID NO:24
Human MT1-MMP exon 4s
20 bp

5'GGGAAGGAGAATGTTGCCCC3'

SEQ ID NO:25
Human MT1-MMP exon 4a
20 bp

5'GAGGAGGGAACCACCCCTAC3'

SEQ ID NO:26
Human MT1-MMP exon 5s
20 bp

5'GGGAGGCTGAGGGAAGGGAC3'

SEQ ID NO:27
Human MT1-MMP exon 5a
20 bp

5'GGGGAAATGCGTAGACCAGG3'

SEQ ID NO:28
Human MT1-MMP exon 6s
20 bp

5'CCCGCCTCCTCCTAAGTCTG3'

SEQ ID NO:29
Human MT1-MMP exon 6a
20 bp

5'CAGCATGAGCCACCATGCCC3'

SEQ ID NO:30
Human MT1-MMP exon 7s
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5'GAACCAGAGACCTAGGCCGC3'

SEQ ID NO:31
Human MT1-MMP exon 7a
20 bp

5'CAGCTCCTCTAGGGAGACCC3'

SEQ ID NO:32
Human MT1-MMP exon 8s
20 bp

5'CTAGAGCCTAAGTTGAACCC3'

SEQ ID NO:33
Human MT1-MMP exon 8a
20 bp

5'GTGGTGGTGGTTTATGAGGG3'

SEQ ID NO:34
Human MT1-MMP exon 9s
20 bp

5'TAGGACATGCCCATGTCCGC3'

SEQ ID NO:35
Human MT1-MMP exon 9a
20 bp

5'TCCGCTCTTCCTCAACTCCC3'

SEQ ID NO:36
Human MT1-MMP exon 10s
20 bp

5'CTCTTTGGGTCTTCCCTTCC3'

SEQ ID NO:37
Human MT1-MMP exon 10a
20 bp

5'CTTCAGAGGCAAAGTCCTTG3'

SEQ ID NO:38
Human MT1-MMP intron 1s
20 bp

5'CTCGGCTCGGCCCAAAGCAG3'

SEQ ID NO:39
Human MT1-MMP intron 1a
20 bp

5'GTAGGTCCCCGGGAGGCAGG 3'

SEQ ID NO:40
Human MT1-MMP intron 2s

20 bp

5'GTTTTACGGCTTGCAAGTAAC 3'

SEQ ID NO:41
Human MT1-MMP intron 2a
20 bp

5'CCAAACTTGTCTGGAACACC 3'

SEQ ID NO:42
Human MT1-MMP intron 3s
20 bp

5'CCAGGGTCTCAAATGGCAAC 3'

SEQ ID NO:43
Human MT1-MMP intron 3a
20 bp

5'ATGTGGCATACTCGCCCACC 3'

SEQ ID NO:44
Human MT1-MMP intron 4s
20 bp

5'CTCTGCCGAGCCTTGGACTG 3'

SEQ ID NO:45
Human MT1-MMP intron 4a
20 bp

5'GCATGGCCCAGCTCGTGCAC 3'

SEQ ID NO:46
Human MT1-MMP intron 5s
20 bp

5'TGCCCGATGATGACCGCCGG 3'

SEQ ID NO:47
Human MT1-MMP intron 5a
20 bp

5'GGGTTGAGGGGGCATCTTGG 3'

SEQ ID NO:48
Human MT1-MMP intron 6s
20 bp

5'CACCGTGGCCATGCTCCGAG 3'

SEQ ID NO:49
Human MT1-MMP intron 6a
20 bp

5'CCATCACTTGGTTATTCCTC 3'

SEQ ID NO:50
Human MT1-MMP intron 7s
20 bp

5'CCTACGAGAGGAAGGATGGC 3'

SEQ ID NO:51
Human MT1-MMP intron 7a
20 bp

5'GGTTCCAGGGACGCCTCATC 3'

SEQ ID NO:52
Human MT1-MMP intron 8s
20 bp

5'GGATGCCCAATGGAAAGACC 3'

SEQ ID NO:53
Human MT1-MMP intron 8a
20 bp

5'CGCTATCCACTGCCCTGAGC 3'

SEQ ID NO:54
Human MT1-MMP intron 9s
20 bp

5'GGGATCCCTGAGTCTCCCAG 3'

SEQ ID NO:55
Human MT1-MMP intron 9a
20 bp

5'TGTTGAATTTCCAGTATTTG 3'

SEQ ID NO:56
Human MT1-MMP Promoter 5s-1 (-480)
20 bp

5'-TATTAGTAAACTGGCCCTTC-3'

SEQ ID NO:57
Human MT1-MMP Promoter 3a
20 bp

5'-ATCTTTCTTCTGCTTAGTCG-3'

SEQ ID NO:58
Human MT1-MMP Promoter 5s-2 (–790)
20 bp

5'-TAGAGGTGGAACTAAACCCC-3'

SEQ ID NO: 59
Human MT1-MMP exon 5 PCR product
285 bp

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  1 GGGAGGCTGA GGGAAGGGAC TCAGGCTGCT ATCGTCACTG TCCCCATCCTT
 51 CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCCAGTG ACCCCTCGGC CATCATGGCA CCCTTTTACC
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCGATGATGA CCGCCGGGGC
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCTG CTCCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC
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SEQ ID NO: 60
Human MT1-MMP exon 5 PCR product with P259P polymorphism
285 bp

```
  1 GGGAGGCTGA GGGAAGGGAC TCAGGCTGCT ATCGTCACTG TCCCCATCCTT
 51 CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCCAGTG ACCCCTCGGC CATCATGGCA CCGTTTTACC
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCGATGATGA CCGCCGGGGC
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCTG CTCCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC
```

SEQ ID NO: 61
Human MT1-MMP exon 5 PCR product with D273N polymorphism
285 bp

```
  1 GGGAGGCTGA GGGAAGGGAC TCAGGCTGCT ATCGTCACTG TCCCCATCCTT
 51 CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCCAGTG ACCCCTCGGC CATCATGGCA CCGTTTTACC
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCAATGATGA CCGCCGGGGC
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCTG CTCCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC
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SEQ ID NO: 62
Human ABCR cDNA (GenBank# NM_000350)
7318 bp

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SEQ ID NO: 63
Human apolipoprotein E cDNA (GenBank# NM_000041)
1156 bp

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SEQ ID NO: 64
Human C-C chemokine receptor-2 (Ccr-2) cDNA (GenBank# NM_000647)
2273 bp

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SEQ ID NO: 65
Human cystatin C cDNA (GenBank# NM_000099)
818 bp

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SEQ ID NO: 66
Human hemicentin/FIBL-6 cDNA (GenBank# NM_031935)
18209 bp

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15121 tgcaactgga gaaatcttgc agatgagtca tattgcccgg ggcttggatt ccgatggttc

15181 tttgctgcta gatatcgttg tgagtggcta tgtcctacag cttcagtcac ctgctgaagt
15241 cactgtaaag gattacacag aggactacat tcaaacaggt cctgggcagc tgtacgccta
15301 ctcaacccgg ctgttcacca ttgatggcat cagcatccca tacacatgga accacaccgt
15361 tttctatgat caggcacagg gaagaatgcc tttcttggtt gaaacacttc atgcatcctc
15421 tgtggaatct gactataacc agatagaaga gacactgggt tttaaaattc atgcttcaat
15481 atccaaagga gatcgcagta atcagtgccc ctccgggttt accttagact cagttggacc
15541 tttttgtgct gatgaggatg aatgtgcagc agggaatccc tgctcccata gctgccacaa
15601 tgccatgggg acttactact gctcctgccc taaaggcctc accatagctg cagatggaag
15661 aacttgtcaa gatattgatg agtgtgcttt gggtaggcat acctgccacg ctggtcagga
15721 ctgtgacaat acgattggat cttatcgctg tgtggtccgt tgtggaagtg gctttcgaag
15781 aacctctgat gggctgagtt gtcaagatat taatgaatgt caagaatcca gcccctgtca
15841 ccagcgctgt ttcaatgcca taggaagttt ccattgtgga tgtgaacctg ggtatcagct
15901 caaaggcaga aaatgcatgg atgtgaacga gtgtagacaa aatgtatgca gaccagatca
15961 gcactgtaag aacacccgtg gtggctataa gtgcattgat ctttgtccaa atggaatgac
16021 caaggcagaa aatggaacct gtattgatat tgatgaatgt aaagatggga cccatcagtg
16081 cagatataac cagatatgtg agaatacaag aggcagctat cgttgtgtat gcccaagagg
16141 ttatcggtct caaggagttg gaagaccctg catggacatt aatgaatgtg aacaagtgcc
16201 taaaccttgt gcacatcagt gctccaacac ccccggcagc ttcaagtgta tctgtccacc
16261 aggacaacat ttattagggg acgggaaatc ttgcgctgga ttggagaggc tgccaaatta
16321 tggcactcaa tacagtagct ataaccttgc acggttctcc cctgtgagaa acaactatca
16381 acctcaacag cattacagac agtactcaca tctctacagc tcctactcag agtatagaaa
16441 cagcagaaca tctctctcca ggactagaag gactattagg aaaacttgcc ctgaaggctc
16501 tgaggcaagc catgacacat gtgtagatat tgatgaatgt gaaaatacag atgcctgcca
16561 gcatgagtgt aagaatacct ttggaagtta tcagtgcatc tgcccacctg gctatcaact
16621 cacacacaat ggaaagacat gccaagatat cgatgaatgt ctggagcaga atgtgcactg
16681 tggacccaat cgcatgtgct tcaacatgag aggaagctac cagtgcatcg atacaccctg
16741 tccacccaac taccaacggg atcctgtttc agggttctgc ctcaagaact gtccacccaa
16801 tgatttggaa tgtgccttga gcccatatgc cttggaatac aaactcgtct ccctcccatt
16861 tggaatagcc accaatcaag atttaatccg gctggttgca tacacacagg atggagtgat
16921 gcatcccagg acaactttcc tcatggtaga tgaggaacag actgttcctt ttgccttgag
16981 ggatgaaaac ctgaaaggag tggtgtatac aacacgacca ctacgagaag cagagaccta
17041 ccgcatgagg gtccgagcct catcctacag tgccaatggg accattgaat atcagaccac
17101 attcatagtt tatatagctg tgtccgccta tccatactaa ggaactctcc aaagcctatt
17161 ccacatattt aaaccgcatt aatcatggca atcaagcccc cttccagatt actgtctctt
17221 gaacagttgc aatcttggca gcttgaaaat ggtgctacac tctgttttgt gtgccttcct
17281 tggtacttct gaggtatttt catgatccca ccatggtcat atcttgaagt atggtctaga
17341 aaagtccctt attattttat ttattacact ggagcagtta cttcccaaag attattctga
17401 acatctaaca ggacatatca gtgatggttt acagtagtgt agtacctaag atcattttcc
17461 tgaaagccaa accaaacaac gaaaaacaag aacaactaat tcagaatcaa atagagtttt
17521 tgagcatttg actattttta gaatcataaa attagttact aagtattttg atcaaagctt
17581 ataaaataac ttacggagat ttttgtaagt attgatacat tataatagga cttgcctatt
17641 ttcatttta agaagaaaaa caccactcat tttataaaat atagtacagc tactataagg
17701 cttgtttgat cccaaatggt gcttatcttg attgaacatt cagaacaagg atattatttt
17761 cagtgatttt gtgagatcag ctgaaccact tatgataata ataataaaaa agactgcttt
17821 gccctcacgt cagttgtaca tggcatggaa ctttaaaaat tttaatataa actttcatcc
17881 agttagcttc ataacttta cgttccagaa ttttgtttat tttcctgtca atgaaagcaa

17941 tttttaaaga taccagtggg acaggtttgg ttttttaaaa atctcatgtg ttcaaattaa
18001 cataaatatt acacgtcaat acactgtaca tggtggtaat agactctaag caattgccaa
18061 gatgtattct atttttatga agtgtatata tattacctta gtgtgcattt tctatataat
18121 atcttgatgg actcttttat aaaattattt tataaaaaac aatgttacac taaaatcagc
18181 ctaaataaat tttcacaact ttttttcat

SEQ ID NO: 67
Human manganese superoxide dismutase 2 cDNA (GenBank# NM_000636)
1026 bp

1 cagcatgttg agccgggcag tgtgcggcac cagcaggcag ctgcctccgg ttttggggta
61 tctgggctcc aggcagaagc acagcctccc cgacctgccc tacgactacg gcgccctgga
121 acctcacatc aacgcgcaga tcatgcagct gcaccacagc aagcaccacg cggcctacgt
181 gaacaacctg aacgtcaccg aggagaagta ccaggaggcg ttggccaagg gagatgttac
241 agcccagata gctcttcagc ctgcactgaa gttcaatggt ggtggtcata tcaatcatag
301 cattttctgg acaaacctca gccctaacgg tggtggagaa cccaaagggg agttgctgga
361 agccatcaaa ctggactttg gttcctttga caagtttaag gagaagctga cggctgcatc
421 tgttggtgtc caaggctcag gttggggttg gcttggtttc aataaggaac ggggacactt
481 acaaattgct gcttgtccaa atcaggatcc actgcaagga acaacaggcc ttattccact
541 gctggggatt gatgtgtggg agcacgctta ctaccttcag tataaaaatg tcaggcctga
601 ttatctaaaa gctatttgga atgtaatcaa ctgggagaat gtaactgaaa gatacatggc
661 ttgcaaaaag taaaccacga tcgttatgct gagtatgtta agctctttat gactgttttt
721 gtagtggtat agagtactgc agaatacagt aagctgctct attgtagcat ttcttgatgt
781 tgcttagtca cttatttcat aaacaactta atgttctgaa taatttctta ctaaacattt
841 tgttattggg caagtgattg aaaatagtaa atgctttgtg tgattgaatc tgattggaca
901 ttttcttcag agagctaaat tacaattgtc atttataaaa ccatcaaaaa tattccatcc
961 atatactttg gggacttgta gggatgcctt tctagtccta ttctattgca gttatagaaa
1021 atctag

SEQ ID NO: 68
Human C-C chemokine ligand 2 (Ccl-2)/monocyte chemoattractant protein 1 cDNA (GenBank# NM_002982)
757 bp

1 ggaaccgaga ggctgagact aacccagaaa catccaattc tcaaactgaa gctcgcactc
61 tcgcctccag catgaaagtc tctgccgccc ttctgtgcct gctgctcata gcagccacct
121 tcattcccca agggctcgct cagccagatg caatcaatgc cccagtcacc tgctgttata
181 acttcaccaa taggaagatc tcagtgcaga ggctcgcgag ctatagaaga atcaccagca
241 gcaagtgtcc caaagaagct gtgatcttca agaccattgt ggccaaggag atctgtgctg
301 accccaagca gaagtgggtt caggattcca tggaccacct ggacaagcaa acccaaactc
361 cgaagacttg aacactcact ccacaaccca agaatctgca gctaacttat tttcccctag
421 ctttccccag acaccctgtt ttattttatt ataatgaatt ttgtttgttg atgtgaaaca
481 ttatgcctta agtaatgtta attcttattt aagttattga tgttttaagt ttatctttca
541 tggtactagt gttttttaga tacagagact tggggaaatt gcttttcctc ttgaaccaca
601 gttctacccc tgggatgttt tgagggtctt tgcaagaatc attaatacaa agaatttttt
661 ttaacattcc aatgcattgc taaaatatta ttgtggaaat gaatattttg taactattac

721 accaaataaa tatatttttg tacaaaaaaa aaaaaaa

SEQ ID NO: 69
Human paraoxonase 1 cDNA (GenBank# NM_000446)
2395 bp

1 agagcctcct agcccgtcgg tgtctgcgcc catcgatccc tttgtctatc cccgaccatg
61 gcgaagctga ttgcgctcac cctcttgggg atgggactgg cactcttcag gaaccaccag
121 tcttcttacc aaacacgact taatgctctc cgagaggtac aacccgtaga acttcctaac
181 tgtaatttag ttaaaggaat cgaaactggc tctgaagact tggagatact gcctaatgga
241 ctggctttca ttagctctgg attaaagtat cctggaataa agagcttcaa ccccaacagt
301 cctggaaaaa tacttctgat ggacctgaat gaagaagatc caacagtgtt ggaattgggg
361 atcactggaa gtaaatttga tgtatcttca tttaaccctc atgggattag cacattcaca
421 gatgaagata atgccatgta cctcctggtg gtgaaccatc cagatgccaa gtccacagtg
481 gagttgttta aatttcaaga agaagaaaaa tcgcttttgc atctaaaaac catcagacat
541 aaacttctgc ctaatttgaa tgatattgtt gctgtgggac ctgagcactt ttatggcaca
601 aatgatcact attttcttga cccctactta caatcctggg agatgtattt gggtttagcg
661 tggtcgtatg ttgtctacta tagtccaagt gaagttcgag tggtggcaga aggatttgat
721 tttgctaatg gaatcaacat ttcacccgat ggcaagtatg tctatatagc tgagttgctg
781 gctcataaga ttcatgtgta tgaaaagcat gctaattgga ctttaactcc attgaagtcc
841 cttgacttta ataccctcgt ggataacata tctgtggatc ctgagacagg agacctttgg
901 gttggatgcc atcccaatgg catgaaaatc ttcttctatg actcagagaa tcctcctgca
961 tcagaggtgc ttcgaatcca gaacattcta acagaagaac ctaaagtgac acaggtttat
1021 gcagaaaatg gcacagtgtt gcaaggcagt acagttgcct ctgtgtacaa agggaaactg
1081 ctgattggca cagtgtttca caaagctctt tactgtgagc tctaacagac cgatttgcac
1141 ccatgccata gaaactgagg ccattatttc aaccgcttgc catattccga ggacccagtg
1201 ttcttagctg aacaatgaat gctgacccta aatgtggaca tcatgaagca tcaaagcact
1261 gtttaactgg gagtgatatg atgtgtaggg ctttttttg agaatacact atcaaatcag
1321 tcttggaata cttgaaaacc tcatttacca taaaaatcct tctcactaaa atggataaat
1381 cagttatgtc aattgtcaga tattaaataa cagtgtgtga ccccaaaagt acttacccta
1441 aaacatgtgt tgcctgaaag cacatgtgtg tatcgctgcc ttgccatgtc ttgttcagaa
1501 gacacagggg agcagggtta gctcacgtgt ctttagaact ccagtactca cccagggact
1561 ccagttcaca ggccagaaaa catatgcatt atgaagttcc cctctactcc atgcacatag
1621 taagtctgac tatggcagtc agacttactt actcccattt tcccttcgat atatgacttt
1681 ttctcagtaa atattaacct gaactattcc aactcccctt gtactcttgc tttttcaatt
1741 ctcctgttgc aatgacacat aggaaaatct taaaattctt gggagtgttg tcacacctga
1801 aaattatgag tctctatgat cttggcacaa attgtacatt tgagtgtctt tgacttggtt
1861 aaaggaagtt tgttcacttc gatgactgga tacagaatga atcccataat tgacatgggc
1921 gacagtaaaa gtgtccccaa agactacact gttgttgagg tggtggtagt gctggtgggt
1981 ttttgtttaa tatttaaact tcttgttgtg gaggctgaaa agaaaaaaaa taatagaaag
2041 gtaaacaaac aaataaatag aaaagatcaa caaccccttt ggctatctac tgagacatga
2101 ctaggaagaa aacatgactt tatcattttg ttatagaagc tgatatataa ggttacacat
2161 tttcatttat ttgtttttct gatttgaagg tataaccttc atgatgaatt acttcttcag
2221 ggtgttaagg cagtgacttt agaaacaaat ttttttcttg cttttgtttt gtttttgaga
2281 ccgaatctca ctctgttgcc caggctggag tgcagtggtg cgatcttggc tcactgcaac
2341 ttctacctcc gaggttcaag agattcttgt gcctcagcct cccggatagc tgccg

SEQ ID NO: 70
Human unknown protein PHG-1 hypothetical peptide 1 (GenBank # AL832747)
74 aa

MAFLVHSQPVILGFTVLLSYILRYQLLFFKFVFILFDKKPALATHTHNK
SHFKIVAQTPRKKRKEKLEQQQQKN

SEQ ID NO: 71
Human unknown protein PHG-1 hypothetical peptide 2 (GenBank # AL832747)
55 aa

MTLLVFTSHVQCPNRQCKKYPVWFNRKSVYVSLFETSFTLSGSLSSM
KSARNIGW

SEQ ID NO: 72
Human unknown protein PHG-1 hypothetical peptide 3 (GenBank # AL832747)
52 aa

METNFVELLPFDLGLEYELLYNSYSYLANAQFSITSLMAFTRKAVLEA
IVIH

SEQ ID NO: 73
Human unknown protein PHG-1 hypothetical peptide 4 (GenBank # AL832747)
45 aa

MYFAMKLPLGLIISIPLLRNVQMILYSTTLVPLCMTVRFFFFLLF

SEQ ID NO: 74
Human unknown protein PHG-1 hypothetical peptide 5 (GenBank # AL832747)
43 aa

MDRENQISSYNCLANGISGSFSASHFRLHSLTLLHFKIPAFIF

SEQ ID NO: 75
Human unknown protein PHG-1 hypothetical peptide 6 (GenBank # AL832747)
37 aa

MCCFGYTHSFFFNRIYCLVSLWTGTVDAHLKVKCHFF

SEQ ID NO: 76
Human unknown protein PHG-1 hypothetical peptide 7 (GenBank # AL832747)
35 aa

MFSVQTGNVKSILCGLTGNLFMSLYLKPVLLSVVL

SEQ ID NO: 77
Human unknown protein PHG-1 hypothetical peptide 8 (GenBank # AL832747)
34 aa

MIYFLKSNFNSSCLTEACQYMCCIFFAFVE KLHI

SEQ ID NO: 78
Human unknown protein PHG-1 hypothetical peptide 9 (GenBank # AL832747)
34 aa

MPRAIVFPPFFASFSYPLFQLQMPKKMPTDTTLP

SEQ ID NO: 79
Human prostaglandin D2 synthase protein (GenBank# NM_000954)
190 aa

MATHHTLWMGLALLGVLGDLQAAPEAQVSVQPNFQQDKFLGRWFSAGLASNS
SWLREKKAALSMCKSVVAPATDGGLNLTSTFLRKNQCETRTMLLQPAGSLGSYS
YRSPHWGSTYSVSVVETDYDQYALLYSQGSKGPGEDFRMATLYSRTQTPRAEL
KEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ

SEQ ID NO: 80
Human myelin basic protein (GenBank# M13577)
170 aa

MASQKRPSQRHGSKYLATASTMDHARHGFLPRHRDTGILDSIGRFGGDRGAPKR
GSGKDSHHPARTAHYGSLPQKSHGRTQDENPVVHFFKNIVTPRTPPPSQGKGRG
LSLSRFSWGAEGQRPGFGYGGRASDYKSAHKGFKGVDAQGTLSKIFKLGGRDSR
SGSPMARR

SEQ ID NO: 81
Human unknown protein PHG-4 peptide 1 (GenBank# AP006241)
38 aa

IRSAKLGFCCLNSALGPQINRCECSFFPLCEEAVTPQQ

SEQ ID NO: 82
Human unknown protein PHG-4 peptide 2 (GenBank# AP006241)
38 aa

LLGCNCFFTQGEKTTFTSVYLRTQCRVQAAKPQLSRSN

SEQ ID NO: 83
Human unknown protein PHG-4 peptide 3 (GenBank# AP006241)
37 aa

FIYKKIKLEIVLDFSSYCWGVTASSHRGKKLHSHRFI

SEQ ID NO: 84
Human unknown protein PHG-5 (GenBank# BC011973)
334 aa

MGASSSSALARLGLPARPWPRWLGVAALGLAAVALGTVAWRRAWPRRRRRLQ
QVGTVAKLWIYPVKSCKGVPVSEAECTAMGLRSGNLRDRFWLVIKEDGHMVTA
RQEPRLVLISIIYENNCLIFRAPDMDQLVLPSKQPSSNKLHNCRIFGLDIKGRDCGN
EAAKWFTNFLKTEAYRLVQFETNMKGRTSRKLLPTLDQNFQVAYPDYCPLLIMT
DASLVDLNTRMEKKMKMENFRPNIVVTGCDAFEEDTWDELLIGSVEVKKVMAC

PRCILTTVDPDTGVIDRKQPLDTLKSYRLCDPSERELYKLSPLFGIYYSVEKIGSLR
VGDPVYRMV

SEQ ID NO: 85
Human peanut-like 2/septin 4 protein (GenBank# NM_080416)
459 aa

MIKRFLEDTTDDGELSKFVKDFSGNASCHPPEAKTWASRPQVPEPRPQAPDLYD
DDLEFRPPSRPQSSDNQQYFCAPAPLSPSARPRSPWGKLDPYDSSEDDKEYVGFA
TLPNQVHRKSVKKGFDFTLMVAGESGLGKSTLVNSLFLTDLYRDRKLLGAEERI
MQTVEITKHAVDIEEKGVRLRLTIVDTPGFGDAVNNTECWKPVAEYIDQQFEQY
FRDESGLNRKNIQDNRVHCCLYFISPFGHGLRPLDVEFMKALHQRVNIVPILAKA
DTLTPPEVDHKKRKIREEIEHFGIKIYQFPDCDSDEDEDFKLQDQALKESIPFAVIG
SNTVVEARGRRVRGRLYPWGIVEVENPGHCDFVKLRTMLVRTHMQDLKDVTRE
THYENYRAQCIQSMTRLVVKERNRNKLTRESGTDFPIPAVPPGTDPETEKLIREK
DEELRRMQEMLHKIQKQMKENY

SEQ ID NO: 86
Human coactosin-like 1 protein (GenBank# NM_021149)
142 aa

MATKIDKEACRAAYNLVRDDGSAVIWVTFKYDGSTIVPGEQGAEYQHFIQQCTD
DVRLFAFVRFTTGDAMSKRSKFALITWIGENVSGLQRAKTGTDKTLVKEVVQNF
AKEFVISDRKELEEDFIKSELKKAGGANYDAQTE

SEQ ID NO: 87
Human clusterin protein (GenBank# BC019588)
449 aa

MMKTLLLFVGLLLTWESGQVLGDQTVSDNELQEMSNQGSKYVNKEIQNAVNG
VKQIKTLIEKTNEERKTLLSNLEEAKKKKEDALNETRESETKLKELPGVCNETMM
ALWEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNQSSPFYFWMNGDRID
SLLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRR
PHFFFPKSRIVRSLMPFSPYEPLNFHAMFQPFLEMIHEAQQAMDIHFHSPAFQHPP
TEFIREGDDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLRRE
LDESLQVAERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSRLANLTQGE
DQYYLRVTTVASHTSDSDVPSGVTEVVVKLFDSDPITVTVPVEVSRKNPKFMET
VAEKALQEYRKKHREE

SEQ ID NO: 88
Human casein kinase 1, epsilon protein (GenBank# NM_152221)
416 aa

MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKF
YKMMQGGVGIPSIKWCGAEGDYNVMVMELLGPSLEDLFNFCSRKFSLKTVLLL
ADQMISRIEYIHSKNFIHRDVKPDNFLMGLGKKGNLVYIIDFGLAKKYRDARTHQ

HIPYRENKNLTGTARYASINTHLGIEQSRRDDLESLGYVLMYFNLGSLPWQGLKA
ATKRQKYERISEKKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSYLRQLFR
NLFHRQGFSYDYVFDWNMLKFGAARNPEDVDRERREHEREERMGQLRGSATR
ALPPGPPTGATANRLRSAAEPVASTPASRIQPAGNTSPRAISRVDRERKVSMRLH
RGAPANVSSSDLTGRQEVSRIPASQTSVPFDHLGK

SEQ ID NO: 89
Human ferritin, heavy polypeptide 1 protein (GenBank# BC015946)
110 aa

MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYYFDRDDVALKNFA
KYFLHQSHEEREHAEKLMKLQNQRGGRIFLQDIKKPDCDDWESGLNAMECALH
LEKM

SEQ ID NO: 90
Human metargidin protein (GenBank# NM_003815)
814 aa

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESEKAPREPLEPQVLQDDLPI
SLKKVLQTSLPEPLRIKLELDGDSHILELLQNRELVPGRPTLVWYQPDGTRVVSE
GHTLENCCYQGRVRGYAGSWVSICTCSGLRGLVVLTPERSYTLEQGPGDLQGPPI
ISRIQDLHLPGHTCALSWRESVHTQTPPEHPLGQRHIRRRRDVVTETKTVELVIVA
DHSEAQKYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLEAWTQRDLVEISP
NPAVTLENFLHWRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGG
VNMDHSTSILGVASSIAHELGHSLGLDHDLPGNSCPCPGPAPAKTCIMEASTDFLP
GLNFSNCSRRALEKALLDGMGSCLFERLPSLPPMAAFCGNMFVEPGEQCDCGFL
DDCVDPCCDSLTCQLRPGAQCASDGPCCQNCQLRPSGWQCRPTRGDCDLPEFCP
GDSSQCPPDVSLGDGEPCAGGQAVCMHGRCASYAQQCQSLWGPGAQPAAPLCL
QTANTRGNAFGSCGRNPSGSYVSCTPRDAICGQLQCQTGRTQPLLGSIRDLLWET
IDVNGTELNCSWVHLDLGSDVAQPLLTLPGTACGPGLVCIDHRCQRVDLLGAQE
CRSKCHGHGVCDSNRHCYCEEGWAPPDCTTQLKATSSLTTGLLLSLLVLLVLVM
LGAGYWYRARLHQRLCQLKGPTCQYRAAQSGPSERPGPPQRALLARGTKSQGP
AKPPPPRKPLPADPQGRCPSGDLPGPGAGIPPLVVPSRPAPPPPTVSSLYL

SEQ ID NO: 91
Human unknown protein PHG-13 peptide 1 (GenBank# AK026351)
55 aa

MNLSFREFNQEKRVGGISWGPKGRLSGIFSTIQNQQQSQKRGMSSNSL
KRTPQNS

SEQ ID NO: 92
Human unknown protein PHG-13 peptide 2 (GenBank# AK026351)
54 aa

MGNQRWHAKFNSGLRYPHCPHQASPALTVEPHGEEHVLERDPFVNCF
VVFSSMN

SEQ ID NO: 93
Human unknown protein PHG-13 peptide 3 (GenBank# AK026351)
51 aa

MLCAQGAAGCQQHLSLNTISLCAEKTGNQRINITSPGWRTISCDFAAE
FTH

SEQ ID NO: 94
Human unknown protein PHG-13 peptide 4 (GenBank# AK026351)
43 aa

MPPLIPHAAKRIGTLSGPGTVVMAISYFTHTRPFKVSLPQAIK

SEQ ID NO: 95
Human unknown protein PHG-13 peptide 5 (GenBank# AK026351)
39 aa

MVENIPESLPFGPQLMPPTLFSWLNSLKERFMCYCPVSQ

SEQ ID NO: 96
Human unknown protein PHG-13 peptide 6 (GenBank# AK026351)
36 aa

MSQCTSYPLIQKEEHFAQRKIKRSMNVIFYLLFSVG

SEQ ID NO: 97
Human unknown protein PHG-13 peptide 7 (GenBank# AK026351)
33 aa

MGSSLPIGFLLHTAGLSLYFKKKKKKKKDKNCH

SEQ ID NO: 98
Human retinaldehyde binding protein 1 (GenBank# NM_000326)
317 aa

MSEGVGTFRMVPEEEQELRAQLEQLTTKDHGPVFGPCSQLPRHTLQKAKDELNE
REETREEAVRELQEMVQAQAASGEELAVAVAERVQEKDSGFFLRFIRARKFNVG
RAYELLRGYVNFRLQYPELFDSLSPEAVRCTIEAGYPGVLSSRDKYGRVVMLFNI
ENWQSQEITFDEILQAYCFILEKLLENEETQINGFCIIENFKGFTMQQAASLRTSDL
RKMVDMLQDSFPARFKAIHFIHQPWYFTTTYNVVKPFLKSKLLERVFVHGDDLS
GFYQEIDENILPSDFGGTLPKYDGKAVAEQLFGPQAQAENTAF

SEQ ID NO:99
Human actin, gamma 1, protein (GenBank# BC009848)
375 aa

MEEEIAALVIDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSY
VGDEAQSKRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTE

APLNPKANREKMTQIMFETFNTPAMYVAIQAVLSLYASGRTTGIVMDSGDGVTH
TVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLC
YVALDFEQEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLGMESCG
IHETTFNSIMKCDVDIRKDLYANTVLSGGTTMYPGIADRMQKEITALAPSTMKIKI
IAPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPSIVHRKCF

SEQ ID NO: 100
Human matrix metalloproteinase, membrane associated, protein (GenBank# X83535)
582 aa

MSPAPRPSRCLLLPLLTLGTALASLGSAQSSSFSPEAWLQQYGYLPPGDLRTHTQ
RSPQSLSAAIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKAFRVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSA
EPWTVRNEDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLP
DDDRRGIQQLYGGESGFPTKMPPQPRTTSRPSVPDKPKNPTYGPNICDGNFDTVA
MLRGEMFVFKERWFWRVRNNQVMDGYPMPIGQFWRGLPASINTAYERKDGKF
VFFKGDKHWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGN
KYYRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFN
NQKLKVEPGYPKSALRDWMGCPSGGRPDEGTEEETEVIIIEVDEEGGGAVSAAA
VVLPVLLLLLVLAVGLAVFFFRRHGTPRRLLYCQRSLLDKV

SEQ ID NO: 101
Human SWI/SNF related/OSA-1 nuclear protein (GenBank# NM_006015)
2285 aa

MAAQVAPAAASSLGNPPPPPPSELKKAEQQQREEAGGEAAAAAAAERGEMKAA
AGQESEGPAVGPPQPLGKELQDGAESNGGGGGGGAGSGGGPGAEPDLKNSNGN
AGPRPALNNNLTEPPGGGGGGSSDGVGAPPHSAAAALPPPAYGFGQPYGRSPSA
VAAAAAAVFHQQHGGQQSPGLAALQSGGGGGLEPYAGPQQNSHDHGFPNHQY
NSYYPNRSAYPPPAPAYALSSPRGGTPGSGAAAAAGSKPPPSSSASASSSSSSFAQ
QRFGAMGGGGPSAAGGGTPQPTATPTLNQLLTSPSSARGYQGYPGGDYSGGPQ
DGGAGKGPADMASQCWGAAAAAAAAAAASGGAQQRSHHAPMSPGSSGGGGQ
PLARTPQPSSPMDQMGKMRPQPYGGTNPYSQQQGPPSGPQQGHGYPGQPYGSQ
TPQRYPMTMQGRAQSAMGGLSYTQQIPPYGQQGPSGYGQQGQTPYYNQQSPHP
QQQQPPYSQQPPSQTPHAQPSYQQQPQSQPPQLQSSQPPYSQQPSQPPHQQSPAP
YPSQQSTTQQHPQSQPPYSQPQAQSPYQQQQPQQPAPSTLSQQAAYPQPQSQQSQ
QTAYSQQRFPPPQELSQDSFGSQASSAPSMTSSKGGQEDMNLSLQSRPSSLPDLS
GSIDDLPMGTEGALSPGVSTSGISSSQGEQSNPAQSPFSPHTSPHLPGIRGPSPSPVG
SPASVAQSRSGPLSPAAVPGNQMPPRPPSGQSDSIMHPSMNQSSIAQDRGYMQRN
PQMPQYSSPQPGSALSPRQPSGGQIHTGMGSYQQNSMGSYGPQGGQYGPQGGY
PRQPNYNALPNANYPSAGMAGGINPMGAGGQMHGQPGIPPYGTLPPGRMSHAS
MGNRPYGPNMANMPPQVGSGMCPPPGGMNRKTQETAVAMHVAANSIQNRPPG
YPNMNQGGMMGTGPPYGQGINSMAGMINPQGPPYSMGGTMANNSAGMAASPE
MMGLGDVKLTPATKMNNKADGTPKTESKSKKSSSSTTTNEKITKLYELGGEPER
KMWVDRYLAFTEEKAMGMTNLPAVGRKPLDLYRLYVSVKEIGGLTQVNKNKK
WRELATNLNVGTSSSAASSLKKQYIQCLYAFECKIERGEDPPPDIFAAADSKKSQ

PKIQPPSPAGSGSMQGPQTPQSTSSSMAEGGDLKPPTPASTPHSQIPPLPGMSRSNS
VGIQDAFNDGSDSTFQKRNSMTPNPGYQPSMNTSDMMGRMSYEPNKDPYGSMR
KAPGSDPFMSSGQGPNGGMGDPYSRAAGPGLGNVAMGPRQHYPYGGPYDRVR
TEPGIGPEGNMSTGAPQPNLMPSNPDSGMYSPSRYPPQQQQQQQQRHDSYGNQF
STQGTPSGSPFPSQQTTMYQQQQQNYKRPMDGTYGPPAKRHEGEMYSVPYSTG
QGQPQQQQLPPAQPQPASQQQAAQPSPQQDVYNQYGNAYPATATAATERRPAG
GPQNQFPFQFGRDRVSAPPGTNAQQNMPPQMMGGPIQASAEVAQQGTMWQGR
NDMTYNYANRQSTGSAPQGPAYHGVNRTDEMLHTDQRANHEGSWPSHGTRQP
PYGPSAPVPPMTRPPPSNYQPPPSMQNHIPQVSSPAPLPRPMENRTSPSKSPFLHSG
MKMQKAGPPVPASHIAPAPVQPPMIRRDITFPPGSVEATQPVLKQRRRLTMKDIG
TPEAWRVMMSLKSGLLAESTWALDTINILLYDDNSIMTFNLSQLPGLLELLVEYF
RRCLIEIFGILKEYEVGDPGQRTLLDPGRFSKVSSPAPMEGGEEEEELLGPKLEEEE
EEEVVENDEEIAFSGKDKPASENSEEKLISKFDKLPVKIVQKNDPFVVDCSDKLG
RVQEFDSGLLHWRIGGGDTTEHIQTHFESKTELLPSRPHAPCPPAPRKHVTTAEG
TPGTTDQEGPPPDGPPEKRITATMDDMLSTRSSTLTEDGAKSSEAIKESSKFPFGIS
PAQSHRNIKILEDEPHSKDETPLCTLLDWQDSLAKRCVCVSNTIRSLSFVPGNDFE
MSKHPGLLLILGKLILLHHKHPERKQAPLTYEKEEEQDQGVSCNKVEWWWDCL
EMLRENTLVTLANISGQLDLSPYPESICLPVLDGLLHWAVCPSAEAQDPFSTLGP
NAVLSPQRLVLETLSKLSIQDNNVDLILATPPFSRLEKLYSTMVRFLSDRKNPVCR
EMAVVLLANLAQGDSLAARAIAVQKGSIGNLLGFLEDSLAATQFQQSQASLLHM
QNPPFEPTSVDMMRRAARALLALAKVDENHSEFTLYESRLLDISVSPLMNSLVSQ
VICDVLFLIGQS

SEQ ID NO: 102
Human unknown protein AMDP-3 peptide 1(GenBank# AK024103)
88 aa

MATQARQETCDNTKWNSHYARSCDHHQYHPQRSYKAKA
HKGAPGGRWCVQGVGWHVCVGAHCHGASISKNSSREVC
AEILACIPKAHA

SEQ ID NO: 103
Human unknown protein AMDP-3 peptide 2(GenBank# AK024103)
69 aa

MPYDSVRIERRMRCFKSKSQLLDSQVFKYGHTPYLVLDY
MGYEQG IETDKIVFTDTVYRFFFPFMQLFS

SEQ ID NO: 104
Human unknown protein AMDP-3 peptide 3(GenBank# AK024103)
65 aa

MCFNFKMLNSFQTWYLIYSPFLAFVEFQAECLTDCPRTRL
SFNLKQLRKGQRRYKGKAAQNRSGE

SEQ ID NO: 105
Human unknown protein AMDP-3 peptide 4(GenBank# AK024103)
61 aa

MLGAVITTNITPRGVIKPRRTRGPLVAGGVCRGLGGTSVL
VPTVTVQASARTQAGKSVLKY

SEQ ID NO: 106
Human unknown protein AMDP-3 peptide 5(GenBank# AK024103)
58 aa

MCNFFKYVFYSYGLLVSEPDLLTIFLYNNASHFLDSLVMC
CMQELSSSSEGGLPLQAS

SEQ ID NO: 107
Human unknown protein AMDP-3 peptide 6(GenBank# AK024103)
55 aa

MLKKKNFFLVEMQSPVKRYEKASLSQRPGRQSTTRGSEV
LMESCLSNEVLKRMPK

SEQ ID NO: 108
Human unknown protein AMDP-3 peptide 7(GenBank# AK024103)
50 aa

MLQIRKLLLGTCDTHSECDMVANGWPVLKAGSQHKGQR
ALAAPLPTSEPG

SEQ ID NO: 109
Human unknown protein AMDP-3 peptide 8(GenBank# AK024103)
49 aa

MRHHLFYKLDYGFKWNTQGNIYKHQGKLSTASLFHLERG
RFPNQTGFDP

SEQ ID NO: 110
Human unknown protein AMDP-3 peptide 9(GenBank# AK024103)
48 aa

MPVHSSLGNKSETPCQKKKKKMLLILSESKKETLTALNSG
FIFLAVFG

SEQ ID NO: 111
Human unknown protein AMDP-3 peptide 10 (GenBank# AK024103)
48 aa

MRSWDLLFSPGLQNLIPVTKARKELYHKPSLSWHENWLP GSVYPINCE

SEQ ID NO: 112
Human unknown protein AMDP-3 peptide 11 (GenBank# AK024103)
45 aa

MIGHEASCHTPEIRVRLLLRTMCLVTYFSKIISLPGNQSSL VYLS

SEQ ID NO: 113
Human unknown protein AMDP-3 peptide 12 (GenBank# AK024103)
45 aa

MFIIFIFKVCVIFLSMYSIHMVCLSVSQTCLLYSFIIMLATS WIL

SEQ ID NO: 114
Human unknown protein AMDP-3 peptide 13 (GenBank# AK024103)
44 aa

MRTGCQAQCTPLTVNESELGFLYCFLCNMIAETHFKNSEA CHSC

SEQ ID NO: 115
Human unknown protein AMDP-3 peptide 14 (GenBank# AK024103)
40 aa

VMAYYSGQVCPAQGVISGGFQTCTQFKDGGDRLCLYLVN PT

SEQ ID NO: 116
Human unknown protein AMDP-3 peptide 15 (GenBank# AK024103)
39 aa

MISAHCDLRLLGSSDSPASASRVAGITGMRHHARLILYF

SEQ ID NO: 117
Human unknown protein AMDP-3 peptide 16 (GenBank# AK024103)
39 aa

MEDFFLTALFFMAFSKRFKCSLFFKWGSLGRGKVCPHHL

SEQ ID NO:118
Human unknown protein AMDP-3 peptide 17 (GenBank# AK024103)
39 aa

MLEALWNSPIPPPFYISLPTLAPMLLVPLQCIPTQGSIP

SEQ ID NO: 119
Human unknown protein AMDP-3 peptide 18 (GenBank# AK024103)
34 aa

MYSTKMEPYAWALGIQASISAQTSLLEFLLMLAP

SEQ ID NO: 120
Human unknown protein AMDP-3 peptide 19 (GenBank# AK024103)
33 aa

MVSSPQGGEATHTMLKINTKNKHKVRLVLHMCD

SEQ ID NO: 121
Human MT1-MMP exon 5 PCR product protein
53 aa

NDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPDDDR
RGIQQLY

SEQ ID NO: 122
Human MT1-MMP splice variant protein
260 aa

MSPAPRPSRCLLLPLLTLGTALASLGSAQSSSFSPEAWLQQYGYLPPGDLRTHTQ
RSPQSLSAAIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKAFRVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSA
EPWTVRNEDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPG

SEQ ID NO: 123
Human MT1-MMP exon 5 PCR product protein with D273N polymorphism
53 aa

NDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPNDDR
RGIQQLY

SEQ ID NO: 124
Human ABCR protein (GenBank# NM_000350)
2273 aa

MGFVRQIQLLLWKNWTLRKRQKIRFVVELVWPLSLFLVLIWLRNANPLYSHHEC
HFPNKAMPSAGMLPWLQGIFCNVNNPCFQSPTPGESPGIVSNYNNSILARVYRDF
QELLMNAPESQHLGRIWTELHILSQFMDTLRTHPERIAGRGIRIRDILKDEETLTLF
LIKNIGLSDSVVYLLINSQVRPEQFAHGVPDLALKDIACSEALLERFIIFSQRRGAK
TVRYALCSLSQGTLQWIEDTLYANVDFFKLFRVLPTLLDSRSQGINLRSWGGILS
DMSPRIQEFIHRPSMQDLLWVTRPLMQNGGPETFTKLMGILSDLLCGYPEGGGSR
VLSFNWYEDNNYKAFLGIDSTRKDPIYSYDRRTTSFCNALIQSLESNPLTKIAWR
AAKPLLMGKILYTPDSPAARRILKNANSTFEELEHVRKLVKAWEEVGPQIWYFF
DNSTQMNMIRDTLGNPTVKDFLNRQLGEEGITAEAILNFLYKGPRESQADDMAN
FDWRDIFNITDRTLRLVNQYLECLVLDKFESYNDETQLTQRALSLLEENMFWAG
VVFPDMYPWTSSLPPHVKYKIRMDIDVVEKTNKIKDRYWDSGPRADPVEDFRYI
WGGFAYLQDMVEQGITRSQVQAEAPVGIYLQQMPYPCFVDDSFMIILNRCFPIFM
VLAWIYSVSMTVKSIVLEKELRLKETLKNQGVSNAVIWCTWFLDSFSIMSMSIFL
LTIFIMHGRILHYSDPFILFLFLLAFSTATIMLCFLLSTFFSKASLAAACSGVIYFTL
YLPHILCFAWQDRMTAELKKAVSLLSPVAFGFGTEYLVRFEEQGLGLQWSNIGN
SPTEGDEFSFLLSMQMMLLDAACYGLLAWYLDQVFPGDYGTPLPWYFLLQESY
WLSGEGCSTREERALEKTEPLTEETEDPEHPEGIHDSFFEREHPGWVPGVCVKNL
VKIFEPCGRPAVDRLNITFYENQITAFLGHNGAGKTTTLSILTGLLPPTSGTVLVG
GRDIETSLDAVRQSLGMCPQHNILFHHLTVAEHMLFYAQLKGKSQEEAQLEMEA
MLEDTGLHHKRNEEAQDLSGGMQRKLSVAIAFVGDAKVVILDEPTSGVDPYSRR
SIWDLLLKYRSGRTIIMPTHHMDEADHQGDRIAIIAQGRLYCSGTPLFLKNCFGTG
LYLTLVRKMKNIQSQRKGSEGTCSCSSKGFSTTCPAHVDDLTPEQVLDGDVNEL
MDVVLHHVPEAKLVECIGQELIFLLPNKNFKHRAYASLFRELEETLADLGLSSFGI
SDTPLEEIFLKVTEDSDSGPLFAGGAQQKRENVNPRHPCLGPREKAGQTPQDSNV
CSPGAPAAHPEGQPPPEPECPGPQLNTGTQLVLQHVQALLVKRFQHTIRSHKDFL
AQIVLPATFVFLALMLSIVILPFGEYPALTLHPWIYGQQYTFFSMDEPGSEQFTVL
ADVLLNKPGFGNRCLKEGWLPEYPCGNSTPWKTPSVSPNITQLFQKQKWTQVNP
SPSCRCSTREKLTMLPECPEGAGGLPPPQRTQRSTEILQDLTDRNISDFLVKTYPA
LIRSSLKSKFWVNEQRYGGISIGGKLPVVPITGEALVGFLSDLGRIMNVSGGPITRE
ASKEIPDFLKHLETEDNIKVWFNNKGWHALVSFLNVAHNAILRASLPKDRSPEEY
GITVISQPLNLTKEQLSEITVLTTSVDAVVAICVIFSMSFVPASFVLYLIQERVNKS
KHLQFISGVSPTTYWVTNFLWDIMNYSVSAGLVVGIFIGFQKKAYTSPENLPALV
ALLLLYGWAVIPMMYPASFLFDVPSTAYVALSCANLFIGINSSAITFILELFDNNR
TLLRFNAVLRKLLIVFPHFCLGRGLIDLALSQAVTDVYARFGEEHSANPFHWDLI
GKNLFAMVVEGVVYFLLTLLVQRHFFLSQWIAEPTKEPIVDEDDDVAEERQRIIT
GGNKTDILRLHELTKIYLGTSSPAVDRLCVGVRPGECFGLLGVNGAGKTTTFKM
LTGDTTVTSGDATVAGKSILTNISEVHQNMGYCPQFDAIDELLTGREHLYLYARL
RGVPAEEIEKVANWSIKSLGLTVYADCLAGTYSGGNKRKLSTAIALIGCPPLVLL
DEPTTGMDPQARRMLWNVIVSIIRKGRAVVLTSHSMEECEALCTRLAIMVKGAF
RCMGTIQHLKSKFGDGYIVTMKIKSPKDDLLPDLNPVEQFFQGNFPGSVQRERHY
NMLQFQVSSSSLARIFQLLLSHKDSLLIEEYSVTQTTLDQVFVNFAKQQTESHDLP
LHPRAAGASRQAQD

SEQ ID NO: 125
Human apolipoprotein E protein (GenBank# NM_000041)
317 aa

MKVLWAALLVTFLAGCQAKVEQAVETEPEPELRQQTEWQSGQRWELALGRFW
DYLRWVQTLSEQVQEELLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEE
TRARLSKELQAAQARLGADMEDVCGRLVQYRGEVQAMLGQSTEELRVRLASHL
RKLRKRLLRDADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAAT
VGSLAGQPLQERAQAWGERLRARMEEMGSRTRDRLDEVKEQVAEVRAKLEEQ
AQQIRLQAEAFQARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDN
H

SEQ ID NO: 126
Human C-C chemokine receptor-2 (Ccr-2) protein (GenBank# NM_000647)
374 aa

MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFG
FVGNMLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNA
MCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLV
AVFASVPGIIFTKCQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYS
GILKTLLRCRNEKKRHRAVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCEST
SQLDQATQVTETLGMTHCCINPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPG
VRPGKNVKVTTQGLLDGRGKGKSIGRAPEASLQDKEGA

SEQ ID NO: 127
Human cystatin C protein (GenBank# NM_000099)
146 aa

MAGPLRAPLLLLAILAVALAVSPAAGSSPGKPPRLVGGPMDASVEEEGVRRALD
FAVGEYNKASNDMYHSRALQVVRARKQIVAGVNYFLDVELGRTTCTKTQPNLD
NCPFHDQPHLKRKAFCSFQIYAVPWQGTMTLSKSTCQDA

SEQ ID NO: 128
Human hemicentin/FIBL-6 protein (GenBank# NM_031935)
5622 aa

MISWEVVHTVFLFALLYSSLAQDASPQSEIRAEEIPEGASTLAFVFDVTGSMYDD
LVQVIEGASKILETSLKRPKRPLFNFALVPFHDPEIGPVTITTDPKKFQYELRELYV
QGGGDCPEMSIGAIKIALEISLPGSFIYVFTDARSKDYRLTHEVLQLIQQKQSQVV
FVLTGDCDDRTHIGYKVYEEIASTSSGQVFHLDKKQVNEVLKWVEEAVQASKV
HLLSTDHLEQAVNTWRIPFDPSLKEVTVSLSGPSPMIEIRNPLGKLIKKGFGLHEL
LNIHNSAKVVNVKEPEAGMWTVKTSSSGRHSVRITGLSTIDFRAGFSRKPTLDFK
KTVSRPVQGIPTYVLLNTSGISTPARIDLLELLSISGSSLKTIPVKYYPHRKPYGIW
NISDFVPPNEAFFLKVTGYDKDDYLFQRVSSVSFSSIVPDAPKVTMPEKTPGYYL
QPGQIPCSVDSLLPFTLSFVRNGVTLGVDQYLKESASVNLDIAKVTLSDEGFYECI
AVSSAGTGRAQTFFDVSEPPPVIQVPNNVTVTPGERAVLTCLIISAVDYNLTWQR

NDRDVRLAEPARIRTLANLSLELKSVKFNDAGEYHCMVSSEGGSSAASVFLTVQ
EPPKVTVMPKNQSFTGGSEVSIMCSATGYPKPKIAWTVNDMFIVGSHRYRMTSD
GTLFIKNAAPKDAGIYGCLASNSAGTDKQNSTLRYIEAPKLMVVQSELLVALGDI
TVMECKTSGIPPPQVKWFKGDLELRPSTFLIIDPLLGLLKIQETQDLDAGDYTCVA
INEAGRATGKITLDVGSPPVFIQEPADVSMEIGSNVTLPCYVQGYPEPTIKWRRLD
NMPIFSRPFSVSSISQLRTGALFILNLWASDKGTYICEAENQFGKIQSETTVTVTGL
VAPLIGISPSVANVIEGQQLTLPCTLLAGNPIPERRWIKNSAMLLQNPYITVRSDGS
LHIERVQLQDGGEYTCVASNVAGTNNKTTSVVVHVLPTIQHGQQILSTIEGIPVTL
PCKASGNPKPSVIWSKKGELISTSSAKFSAGADGSLYVVSPGGEESGEYVCTATN
TAGYAKRKVQLTVYVRPRVFGDQRGLSQDKPVEISVLAGEEVTLPCEVKSLPPPI
ITWAKETQLISPFSPRHTFLPSGSMKITETRTSDSGMYLCVATNIAGNVTQAVKLN
VHVPPKIQRGPKHLKVQVGQRVDIPCNAQGTPLPVITWSKGGSTMLVDGEHHVS
NPDGTLSIDQATPSDAGIYTCVATNIAGTDETEITLHVQEPPTVEDLEPPYNTTFQE
RVANQRIEFPCPAKGTPKPTIKWLHNGRELTGREPGISILEDGTLLVIASVTPYDN
GEYICVAVNEAGTTERKYNLKVHVPPVIKDKEQVTNVSVLLNQLTNLFCEVEGT
PSPIIMWYKDNVQVTESSTIQTVNNGKILKLFRATPEDAGRYSCKAINIAGTSQKY
FNIDVLVPPTIIGTNFPNEVSVVLNRDVALECQVKGTPFPDIHWFKDGKPLFLGDP
NVELLDRGQVLHLKNARRNDKGRYQCTVSNAAGKQAKDIKLTIYIPPSIKGGNV
TTDISVLINSLIKLECETRGLPMPAITWYKDGQPIMSSSQALYIDKGQYLHIPRAQV
SDSATYTCHVANVAGTAEKSFHVDVYVPPMIEGNLATPLNKQVVIAHSLTLECK
AAGNPSPILTWLKDGVPVKANDNIRIEAGGKKLEIMSAQEIDRGQYICVATSVAG
EKEIKYEVDVLVPPAIEGGDETSYFIVMVNNLLELDCHVTGSPPPTIMWLKDGQLI
DERDGFKILLNGRKLVIAQAQVSNTGLYRCMAANTAGDHKKEFEVTVHVPPTIK
SSGLSERVVVKYKPVALQCIANGIPNPSITWLKDDQPVNTAQGNLKIQSSGRVLQ
IAKTLLEDAGRYTCVATNAAGETQQHIQLHVHEPPSLEDAGKMLNETVLVSNPV
QLECKAAGNPVPVITWYKDNRLLSGSTSMTFLNRGQIIDIESAQISDAGIYKCVAI
NSAGATELFYSLQVHVAPSISGSNNMVAVVVNNPVRLECEARGIPAPSLTWLKD
GSPVSSFSNGLQVLSGGRILALTSAQISDTGRYTCVAVNAAGEKQRDIDLRVYVP
PNIMGEEQNVSVLISQAVELLCQSDAIPPPTLTWLKDGHPLLKKPGLSISENRSVL
KIEDAQVQDTGRYTCEATNVAGKTEKKNYNVNIWVPPNIGGSDELTQLTVIEGN
LISLLCESSGIPPPNLIWKKKGSPVLTDSMGRVRIIAEKSDAALYSCVASNVAGTA
KKEYNLQVYIRPTITNSGSHPTEIIVTRGKSISLECEVQGIPPPTVTWMKDGHPLIK
AKGVEILDEGHILQLKNIHVSDTGRYVCVAVNVAGMTDKKYDLSVHAPPSIIGN
HRSPENISVVEKNSVSLTCEASGIPLPSITWFKDGWPVSLSNSVRILSGGRMLRLM
QTTMEDAGQYTCVVRNAAGEERKIFGLSVLVPPHIVGENTLEDVKVKEKQSVTL
TCEVTGNPVPEITWHKDGQPLQEDEAHHIISGGRFLQITNVQVPHTGRYTCLASSP
AGHKSRSFSLNVFVSPTIAGVGSDGNPEDVTVILNSPTSLVCEAYSYPPATITWFK
DGTPLESNRNIRILPGGRTLQILNAQEDNAGRYSCVATNEAGEMIKHYEVKVYIP
PIINKGDLWGPGLSPKEVKIKVNNTLTLECEAYAIPSASLSWYKDGQPLKSDDHV
NIAANGHTLQIKEAQISDTGRYTCVASNIAGEDELDFDVNIQVPPSFQKLWEIGN
MLDTGRNGEAKDVIINNPISLYCETNAAPPPTLTWYKDGHPLTSSDKVLILPGGR
VLQIPRAKVEDAGRYTCVAVNEAGEDSLQYDVRVLVPPIIKGANSDLPEEVTVLV
NKSALIECLSSGSPAPRNSWQKDGQPLLEDDHHKFLSNGRILQILNTQITDIGRYV
CVAENTAGSAKKYFNLNVHVPPSVIGPKSENLTVVVNNFISLTCEVSGFPPPDLS
WLKNKLNTNTLIVPGGRTLQIIRAKVSDGGEYTCIAINQAGESKKKFSLTVYVPPS
IKDHDSESLSVVNVREGTSVSLECESNAVPPPVITWYKNGRMITESTHVEILADG

QMLHIKKAEVSDTGQYVCRAINVAGRDDKNFHLNVYVPPSIEGPEREVIVETISN
PVTLTCDATGIPPPTIAWLKNHKRIENSDSLEVRILSGGSKLQIARSQHSDSGNYT
CIASNMEGKAQKYYFLSIQVPPSVAGAEIPSDVSVLLGENVELVCNANGIPTPLIQ
WLKDGKPIASGETERIRVSANGSTLNIYGALTSDTGKYTCVATNPAGEEDRIFNL
NVYVTPTIRGNKDEAEKLMTLVDTSINIECRATGTPPPQINWLKNGLPLPLSSHIR
LLAAGQVIRIVRAQVSDVAVYTCVASNRAGVDNKHYNLQVFAPPNMDNSMGTE
EITVLKGSSTSMACITDGTPAPSMAWLRDGQPLGLDAHLTVSTHGMVLQLLKAE
TEDSGKYTCIASNEAGEVSKHFILKVLEPPHINGSEEHEEISVIVNNPLELTCIASGI
PAPKMTWMKDGRPLPQTDQVQTLGGGEVLRISTAQVEDTGRYTCLASSPAGDD
DKEYLVRVHVPPNIAGTDEPRDITVLRNRQVTLECKSDAVPPPVITWLRNGERLQ
ATPRVRILSGGRYLQINNADLGDTANYTCVASNIAGKTTREFILTVNVPPNIKGGP
QSLVILLNKSTVLECIAEGVPTPRITWRKDGAVLAGNHARYSILENGFLHIQSAHV
TDTGRYLCMATNAAGTDRRRIDLQVHVPPSIAPGPTNMTVIVNVQTTLACEATGI
PKPSINWRKNGHLLNVDQNQNSYRLLSSGSLVIISPSVDDTATYECTVTNGAGDD
KRTVDLTVQVPPSIADEPTDFLVTKHAPAVITCTASGVPFPSIHWTKNGIRLLPRG
DGYRILSSGAIEILATQLNHAGRYTCVARNAAGSAHRHVTLHVHEPPVIQPQPSE
LHVILNNPILLPCEATGTPSPFITWQKEGINVNTSGRNHAVLPSGGLQISRAVRED
AGTYMCVAQNPAGTALGKIKLNVQVPPVISPHLKEYVIAVDKPITLSCEADGLPP
PDITWHKDGRAIVESIRQRVLSSGSLQIAFVQPGDAGHYTCMAANVAGSSSTSTK
LTVHVPPRIRSTEGHYTVNENSQAILPCVADGIPTPAINWKKDNVLLANLLGKYT
AEPYGELILENVVLEDSGFYTCVANNAAGEDTHTVSLTVHVLPTFTELPGDVSLN
KGEQLRLSCKATGIPLPKLTWTFNNNIIPAHFDSVNGHSELVIERVSKEDSGTYVC
TAENSVGFVKAIGFVYVKEPPVFKGDYPSNWIEPLGGNAILNCEVKGDPTPTIQW
NRKGVDIEISHRIRQLGNGSLAIYGTVNEDAGDYTCVATNEAGVVERSMSLTLQS
PPIITLEPVETVINAGGKIILNCQATGEPQPTITWSRQGHSISWDDRVNVLSNNSLY
IADAQKEDTSEFECVARNLMGSVLVRVPVIVQVHGGFSQWSAWRACSVTCGKG
IQKRSRLCNQPLPANGGKPCQGSDLEMRNCQNKPCPVDGSWSEWSLWEECTRS
CGRGNQTRTRTCNNPSVQHGGRPCEGNAVEIIMCNIRPCPVHGAWSAWQPWGT
CSESCGKGTQTRARLCNNPPPAFGGSYCDGAETQMQVCNERNCPIHGKWATWA
SWSACSVSCGGGARQRTRGCSDPVPQYGGRKCEGSDVQSDFCNSDPCPTHGNW
SPWSGWGTCSRTCNGGQMRRYRTCDNPPPSNGGRACGGPDSQIQRCNTDMCPV
DGSWGSWHSWSQCSASCGGGEKTRKRLCDHPVPVKGGRPCPGDTTQVTRCNV
QACPGGPQRARGSVIGNINDVEFGIAFLNATITDSPNSDTRIIRAKITNVPRSLGSA
MRKIVSILNPIYWTTAKEIGEAVNGFTLTNAVFKRETQVEFATGEILQMSHIARGL
DSDGSLLLDIVVSGYVLQLQSPAEVTVKDYTEDYIQTGPGQLYAYSTRLFTIDGIS
IPYTWNHTVFYDQAQGRMPFLVETLHASSVESDYNQIEETLGFKIHASISKGDRS
NQCPSGFTLDSVGPFCADEDECAAGNPCSHSCHNAMGTYYCSCPKGLTIAADGR
TCQDIDECALGRHTCHAGQDCDNTIGSYRCVVRCGSGFRRTSDGLSCQDINECQ
ESSPCHQRCFNAIGSFHCGCEPGYQLKGRKCMDVNECRQNVCRPDQHCKNTRG
GYKCIDLCPNGMTKAENGTCIDIDECKDGTHQCRYNQICENTRGSYRCVCPRGY
RSQGVGRPCMDINECEQVPKPCAHQCSNTPGSFKCICPPGQHLLGDGKSCAGLER
LPNYGTQYSSYNLARFSPVRNNYQPQQHYRQYSHLYSSYSEYRNSRTSLSRTRRT
IRKTCPEGSEASHDTCVDIDECENTDACQHECKNTFGSYQCICPPGYQLTHNGKT
CQDIDECLEQNVHCGPNRMCFNMRGSYQCIDTPCPPNYQRDPVSGFCLKNCPPN
DLECALSPYALEYKLVSLPFGIATNQDLIRLVAYTQDGVMHPRTTFLMVDEEQT

VPFALRDENLKGVVYTTRPLREAETYRMRVRASSYSANGTIEYQTTFIVYIAVSA
YPY

SEQ ID NO: 129
Human manganese superoxide dismutase 2 protein (GenBank# NM_000636)
222 aa

MLSRAVCGTSRQLPPVLGYLGSRQKHSLPDLPYDYGALEPHINAQIMQLHHSKH
HAAYVNNLNVTEEKYQEALAKGDVTAQIALQPALKFNGGGHINHSIFWTNLSPN
GGGEPKGELLEAIKLDFGSFDKFKEKLTAASVGVQGSGWGWLGFNKERGHLQIA
ACPNQDPLQGTTGLIPLLGIDVWEHAYYLQYKNVRPDYLKAIWNVINWENVTER
YMACKK

SEQ ID NO: 130
Human C-C chemokine ligand 2 (Ccl-2)/monocyte chemoattractant protein 1 (GenBank# NM_002982)
99 aa

MKVSAALLCLLLIAATFIPQGLAQPDAINAPVTCCYNFTNRKISVQRLASYRRITS
SKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHLDKQTQTPKT

SEQ ID NO: 131
Human paraoxonase 1 protein (GenBank# NM_000446)
355 aa

MAKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIETGSED
LEILPNGLAFISSGLKYPGIKSFNPNSPGKILLMDLNEEDPTVLELGITGSKFDVSSF
NPHGISTFTDEDNAMYLLVVNHPDAKSTVELFKFQEEEKSLLHLKTIRHKLLPNL
NDIVAVGPEHFYGTNDHYFLDPYLQSWEMYLGLAWSYVVYYSPSEVRVVAEGF
DFANGINISPDGKYVYIAELLAHKIHVYEKHANWTLTPLKSLDFNTLVDNISVDP
ETGDLWVGCHPNGMKIFFYDSENPPASEVLRIQNILTEEPKVTQVYAENGTVLQG
STVASVYKGKLLIGTVFHKALYCEL